

Nucleotide and Amino Acid Sequence of AIM-I

FIG. 1A

FIG. 1B

1149	TTAACATCTTCTGTCTTATAATCTACTCCTTGTAAAGACTGTAGAAGAAAGCGCAACAA AATTGTAGAAGACAGAAATATTAGATGAGGAACATTTCTGACATCTTCTTCGCGTTGTT	1208
1209	TCCATCTCTCAAGTAGTGTATCACAGTAGTAGCCTCCAGGTTCTTAAGGGACAACATC AGGTAGAGAGTTCATCACATAGTGTATCATCGGAGGTCAAAGGAATTCCCTGTTGTTAG	1268
1269	CTTAAGTCAAAAGAGAGAAGAGGCACCACTAAAAGATCGCAGTTGCCTGGTGCAGTGGC GAATTCAAGTTTCTCTTCTCCGTGGTGTAGTTCTAGCGTCAAACGGACCACGTCACCG	1328
1329	TCACACCTGTAATCCAACATTTGGAACCCAAAGGTGGTAGATCACGAGATCAAGAGA AGTGTGGACATTAGGGTTGTAAAACCCCTGGGTTCCACCCATCTAGTGCTCTAGTTCTCT	1388
1389	TCAAGACCATAGTGACCAACATAGTGAAACCCATCTCTACTGAAAGTGCAAAAATTAGC AGTTCTGGTATCACTGGTTGTATCACTTTGGGGTAGAGATGACTTTACGTTTAATCG	1448
1449	TGGGTGTGTTGGCACATGCCTGTAGTCCCAGCTACTTGAGAGGGCTGAGGCAGGAGAATCG ACCCACACAAACCGTGTACGGACATCAGGGTCGATGAACTCTCCGACTCCGTCTCTAGC	1508
1509	TTGAACCCGGGAGGCAGAGGTGCACTGTGGTGAGATCATGCCACTACACTCCAGCCTG AAACTGGGCCCTCCGTCTCAACGTCACACCACTCTAGTACGGTGTAGGTGAGGTCGGAC	1568
1569	GCGACAGAGCGAGACTTGGTTTC CGCTGTCTCGCTCTGAACCAAAG	1591

FIG. 1C

Alignment of AIM-I to Human Fas Ligand
(Similarity = 48.594 % Identity = 22.892 %)

4 MEVQGGPSLGQTCVLIVIFTVL.....LQSLCVAVTYV 36
.. : | :
15 vdssasspwappgtvlpcptsvprrrpgqrrppppppppppppp 64
37 YFTNELKQMOKYSKSGIACFLKEDDSYWDPNDEESMNSPCWQVKWQLRQ 86
.. | | : |
65 p1p..1pp1kkrgnhstg1c11vm..ffmv1valvg1g1gmfq1.fh1qk 109
87 LVRKAMILRTSEETISTVQEKKQQNISPLVRERGPQRVAAHITGTRGRSNTL 136
: . . . ||: ||
110 elaelrestsqmhtass1ekqighpsppkekkelrvah1t...gksnsr 156
137 SSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKGFYIYS 186
| | .
157 smplewedty.....giv11sgvkykkgg1vinetglyfvys 193
187 QTYFRFQEEIKENTKNDKQMVQYIYKYTS.YPDPILLMKSARNSCWSKDA 235
.. ||| .
194 kvyfr.....gqscnn1p1shkvymrnskypqd1vmmegkmmssycttgq 237
236 EYGLYSIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLV 280
: . | | | .
238 mwar.ssylgavfn1tsadh1yvnvsels1vnfeesqtffglyk1 281

FIG.2

Alignment Report of AIM-I, hFas Ligand, TNF- α and TNF- β by Clustal Method with PAM250 Residue Weight Table

FIG. 3A

										190	200				210															
167	L	H	L	R	N	G	K	L	V	I	H	E	K	G	F	Y	Y	I	Y	S	Q	T	Y	F	R	F	Q	E	I	
172	V	K	Y	K	K	G	G	L	V	I	N	E	T	G	L	Y	F	V	Y	S	K	V	Y	F	R	G	Q	S	C	N
117	V	E	L	R	D	N	Q	L	V	V	P	S	E	G	L	Y	L	I	Y	S	Q	V	L	F	K	G	Q	S	C	-
92	F	S	L	S	N	N	S	L	L	V	P	T	S	G	I	Y	F	V	Y	S	Q	V	V	F	S	C	K	A	Y	S
										220	230				240															
197	K	E	N	T	K	N	D	K	Q	M	V	Q	Y	I	Y	K	Y	T	S	-	Y	P	D	P	I	I	L	M	K	S
202	N	Q	P	-	-	-	-	-	-	L	N	H	K	V	Y	M	R	N	S	K	Y	P	E	D	L	V	L	M	E	E
146	-	-	-	P	S	T	H	V	L	L	T	H	T	I	S	R	I	A	V	S	Y	Q	T	K	V	N	L	L	S	A
122	P	K	A	P	S	S	P	L	Y	L	A	H	E	V	Q	L	F	S	S	Q	Y	P	F	H	V	P	L	L	S	S
										250	260				270															
226	A	R	N	S	C	W	S	K	D	A	E	Y	G	L	-	-	-	-	Y	S	I	Y	Q	G	G	I	F	E	L	
226	K	R	L	N	Y	C	-	-	-	-	T	T	G	Q	I	W	A	H	S	S	Y	L	G	A	V	F	N	L		
173	I	K	S	P	C	Q	R	E	T	P	E	G	A	E	A	K	P	W	Y	E	P	I	Y	L	G	C	V	F	Q	L
152	Q	K	M	V	Y	P	-	-	-	-	G	L	Q	E	P	W	L	H	S	M	Y	H	G	A	A	F	Q	L		
										280	290				300															
251	K	E	N	D	R	I	F	V	S	V	T	N	E	H	L	I	D	K	D	H	E	A	S	-	F	F	G	A	F	L
250	T	S	A	D	H	L	Y	V	N	I	S	Q	L	S	L	I	N	F	E	E	S	-	K	T	F	F	G	Y	-	
203	E	K	G	D	R	L	S	A	E	I	N	R	P	D	Y	L	D	F	A	E	S	G	Q	V	Y	F	G	I	I	-
176	T	Q	G	D	Q	L	S	T	R	T	D	G	I	P	H	L	V	L	S	P	S	-	T	V	F	F	G	A	-	
										280	290				300															
280	V	G	-	-	-	-	-	-	-	278	-	K	L	-	232	-	A	L	-	204	-	A	L	-	-	-	-	-	-	
										280	290				300															
280	V	G	-	-	-	-	-	-	-	278	-	K	L	-	232	-	A	L	-	204	-	A	L	-	-	-	-	-	-	
										280	290				300															
280	V	G	-	-	-	-	-	-	-	278	-	K	L	-	232	-	A	L	-	204	-	A	L	-	-	-	-	-	-	

Decoration 'Decoration #1': Box residues that match the Consensus within 2 distance units.

FIG. 3B

REGIONAL ANALYSIS OF AIM-1 PROTEIN

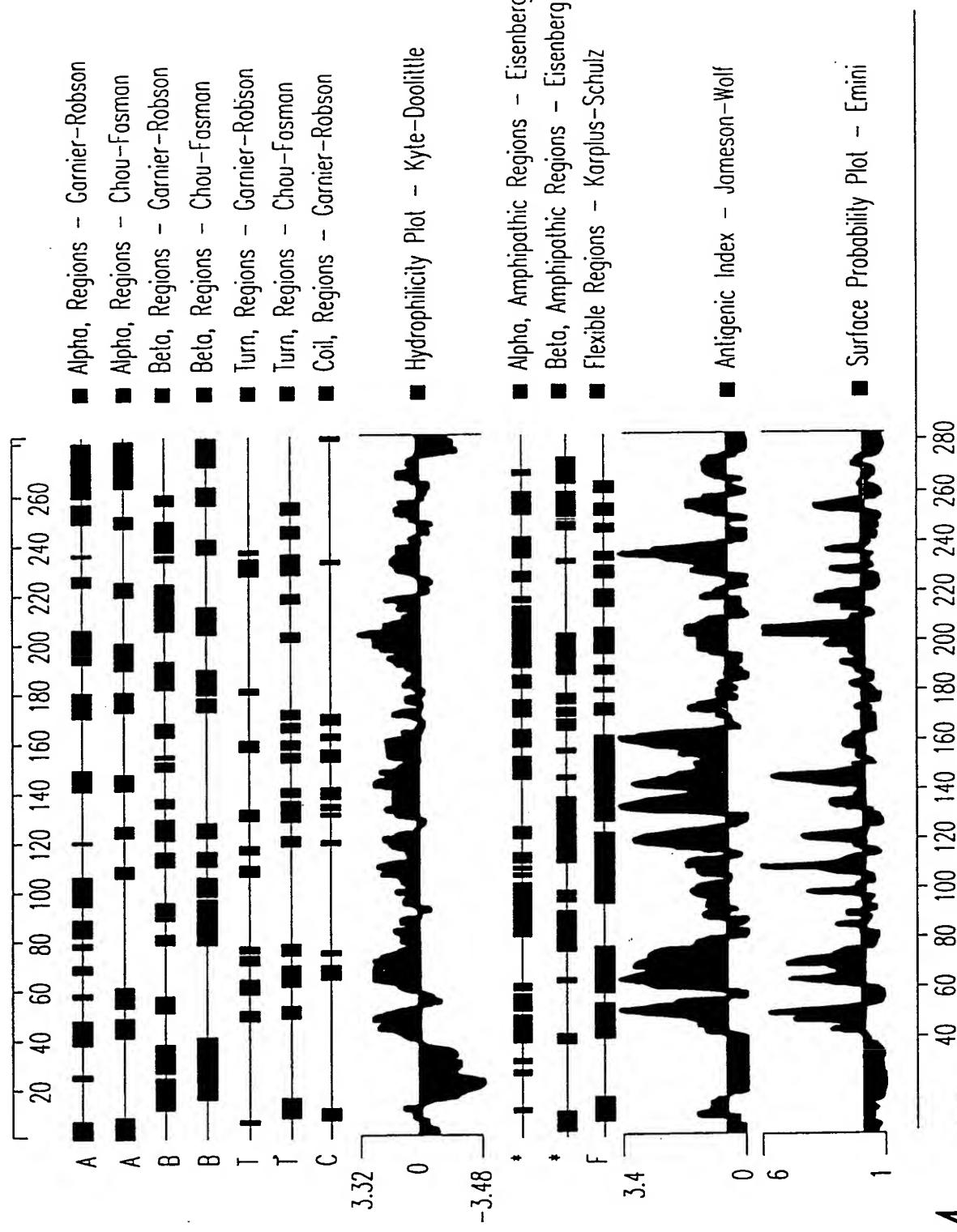


FIG. 4